

REFLECTOR ANTENNA RADOME WITH BACKLOBE SUPPRESSOR RING AND METHOD OF MANUFACTURING

Abstract

A radome adapted to reduce backlobes of an associated reflector antenna via application of a conductive ring with an inward facing edge about the periphery of the radome. The conductive ring may be applied extending around the radome periphery to an inside and or outside surface of the radome. The conductive ring may be formed upon the radome by metalising, electroplating, over molding or the like. Further, the conductive ring may be a metal, metallic foil, conductive foam or the like which is coupled to the radome. An absorber in the form of a ring or a surface coating applied to the radome and or the distal end of the reflector may also be added between the radome and the reflector.